

Title (en)

PROCESS FOR MANUFACTURING A FIBROUS PREFORM FOR REINFORCEMENT OF PARTS MADE OF COMPOSITE MATERIAL WITH A HIGH LOCAL VARIATION IN THICKNESS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER FASERVORFORM ZUR VERSTÄRKUNG VON TEILEN AUS VERBUNDWERKSTOFF MIT HOHER LOKALER DICKENVARIATION

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE PRÉFORME FIBREUSE DE RENFORT DE PIÈCES EN MATÉRIAU COMPOSITE A FORTE VARIATION LOCALE D'ÉPAISSEUR

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2021005286A1] Disclosed is a process for manufacturing a fibrous preform for a part made of composite material, comprising creating a fibrous texture (200) by three-dimensional or multilayer weaving between a plurality of weft layers (202) and of warp layers (201), with an extra-thick portion (203) comprising a sacrificial portion (210) and useful portion (211) that are adjacent in the warp direction; placing the fibrous texture (200) in a forming toolset; shaping the fibrous texture; and removing the sacrificial portion. During the weaving, one or more expansion elements are inserted into the weft layers situated at the core of the sacrificial portion (210). Each expansion element has a cross section greater than the cross section or titer of the weft threads or strands present in the useful portion (211).

IPC 8 full level

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